Thermal and Fluids Analysis Workshop 2002

Call for Papers and Conference Announcement

"Concurrent Engineering: Pushing the Limits"
August 12-16, 2002
University of Houston, Clear Lake Campus
NASA Johnson Space Center, Houston, Texas

The Thermal and Fluid Analysis Workshop (TFAWS '02) will include **hands-on training** sessions in thermal and fluid flow analysis software. There will be numerous vendor **demonstrations** of new software and techniques. Experts will conduct **seminars** and lead discussions on special topics in computational fluid dynamics, heat transfer, thermodynamics, and fluid mechanics analysis. **Technical papers** and **presentations** are solicited in the following areas:

Thermal Systems

- Orbital and planetary spacecraft, systems, and payloads
- Thermal testing, instrumentation, and model correlation
- Advanced analysis tools, techniques and integration with other disciplines
- Advanced thermal control hardware, materials, and coatings

Fluid Systems

- Computational Fluid Dynamics (CFD)
- Aeroheating environments
- Internal and external flow analysis and test
- Combustion, ablation, and transpiration heat transfer
- Space-borne cryogenics systems, storage, and transfer

Interdisciplinary Analysis and Concurrent Engineering Tools

- Multidisciplinary analysis techniques and integration tools
- Concurrent engineering practices: exchange of models, data, results with other disciplines
- Incorporation of Computer-Aided Design (CAD) models
- Thermo-mechanical analysis and thermo-structural distortion
- Opto-mechanical Design

Propulsion Systems

- Motor and engine (Solid, Hybrid, and Liquid) components and systems
- Launch vehicle components and systems
- Combustion devices and heat transfer
- Advanced propulsion systems

Important Dates

Abstracts due April 29	Acceptance notices sent June 3	Papers due in electronic form July 19	Last day for registration July 19

EXTENDED!

For more information, please visit our Web site at http://mmptdpublic.jsc.nasa.gov/tfaws02/TFAWS_2002_home.htm or contact Nichole Williams at nichole.m.williams1@jsc.nasa.gov or (281) 483–8873.